



COMMONWEALTH of VIRGINIA  
DEPARTMENT OF FORENSIC SCIENCE

CENTRAL LABORATORY  
A Nationally Accredited Laboratory

700 NORTH 5TH STREET  
RICHMOND, VIRGINIA 23219  
(804) 786-6971

CERTIFICATE OF INSTRUMENT ACCURACY

INSTRUMENT: Intox EC/IR II  
SERIAL NUMBER: 010597  
CERTIFICATION DATE: December 17, 2013  
DATE RECERTIFICATION DUE: June 15, 2014

The above listed instrument was found to meet all requirements for accuracy and performance established by the Department of Forensic Science. This certification is valid from the above listed certification date until the above listed date for recertification.

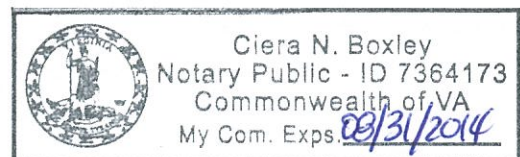
Timmy L. Neece, Jr.  
Forensic Scientist

CITY OF RICHMOND  
COMMONWEALTH OF VIRGINIA

The foregoing was acknowledged before me this 30th day of  
December, 2013 by Timmy L. Neece, Jr.

Ciera N. Boxley, Notary Public

My commission expires: August 31, 2014



**Department of Forensic Science  
Breath Alcohol Section  
Instrument Maintenance History  
1/1/1990 To 12/19/2013**

*HMS*  
*Ted*

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<b>Instrument Serial Number:</b>	<b>010597</b>	<b>As of 19-Dec-13</b>
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Maintenance	Certification	Technician	
Date	Date	Initials	Remarks
17-Dec-13	17-Dec-13	HMS (18910)	FIRMWARE/SOFTWARE UPGRADE, CALIBRATED AND CERTIFIED, REPLACED DRY GAS STANDARD.
02-Jul-13	02-Jul-13	HMS (18910)	CERTIFIED
14-Jan-13	14-Jan-13	SED (24178)	CERTIFIED. REPLACED DRY GAS STANDARD.
25-Jul-12	25-Jul-12	HMS (18910)	CERTIFIED
06-Feb-12	06-Feb-12	HMS (18910)	CERTIFIED
17-Aug-11	17-Aug-11	HMS (18910)	REPLACED DRY GAS STANDARD, CERTIFIED
09-Mar-11	09-Mar-11	HMS (18910)	CERTIFIED
28-Sep-10	28-Sep-10	HMS (18910)	CERTIFIED
06-Jul-10	12-Apr-10	HMS (18910)	REPLACED DRY GAS STANDARD.
12-Apr-10	12-Apr-10	HMS (18910)	CERTIFIED
27-Oct-09	27-Oct-09	RJP (22428)	CERTIFIED.
12-May-09	12-May-09	HMS (18910)	FIRMWARE/SOFTWARE UPGRADE, CERTIFIED.
03-Dec-08	03-Dec-08	HMS (18910)	CERTIFIED.
25-Nov-08	25-Nov-08	NMJ (22392)	CALIBRATED, CERTIFIED AND ACCEPTED.

*Handwritten initials/signature*

# INTOX EC/IR II Quality Assurance Worksheet

Instrument Serial Number 010597 Worksheet Start Date 12/17/2013  
Location Botetourt County  
Address 205 N. Roanoke St., Fincastle, VA 24090  
DFS Technician Heather Stanton License No. 18910  
☐ Laboratory ☒ On-Site

Site Specification: No detrimental environmental conditions exist. ☒

Instrument Barometer (mm HG) 728 Reference Barometer (mm HG) 732  
Reference Barometer(RB)Serial # 009113 RB Calibration Due 5/8/2014

## Measurement Assurance Check

Standard (sea level)	PA Target	minimum	maximum	Sample 1
0.300	0.287	0.278	0.295	0.290
Precision		sample min	sample max	Sample 2
0		0.290	0.290	0.290

Standard (sea level)	PA Target	minimum	maximum	Sample 1
0.100	0.096	0.093	0.099	0.097
Precision		sample min	sample max	Sample 2
0.001		0.096	0.097	0.096

Sample 3 0.096

Dry gas standard Lot No. (with tank no.) AG320502-14

☒ Replaced dry gas standard (+O-ring)

☐ Installed at Location

☐ Removed to DFS-Central

Supplies

Mouthpieces

Certificates of Analysis

Operator Worksheet

Other:

50  
50  
2 pads

## Notes:

Firmware/software upgrade.

Instrument Serial Number

010597

Certification Date

12/17/2013

☒ Calibrated☒ Certified☒ Measurement Assurance Check☒ Instrument Test☐ Troubleshooting/Maintenance Worksheet Completed

(Successful completion denotes satisfactory condition of the item.)

Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.238
0.250	0.240	0.232	0.247	Sample 2	0.238
Precision		sample min	sample max	Sample 3	0.238
0		0.238	0.238		

Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.143
0.150	0.144	0.139	0.148	Sample 2	0.144
Precision		sample min	sample max	Sample 3	0.143
0.001		0.143	0.144		

Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.076
0.080	0.077	0.074	0.080	Sample 2	0.077
Precision		sample min	sample max	Sample 3	0.077
0.001		0.076	0.077		

Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.019
0.020	0.019	0.016	0.022	Sample 2	0.019
Precision		sample min	sample max	Sample 3	0.019
0		0.019	0.019		

All measurements are in g/210L

Estimation of Uncertainty of Measurement and traceability records are located within the Breath Alcohol Section

DFS Technician



Date

12/19/13

Issuing Analyst



Date

12/20/13



*Handwritten signature*  
T.V.

**Intox EC/IR-II: Accuracy Check**

*Department of Forensic Science*

Serial Number: 010597      Test Number: 783

Test Date: 12/17/2013      Test Time: 09:16 EST

Dry Gas Target: 0.288

Lot Number: AG322702-08      Exp Date: 08/15/2015

Tank Pressure: 404 psi      Barometric Pressure: 729 mmHg

System Check: *Passed*

Test	g/210L	Time
BLK	0.000	09:17
CHK	0.286	09:17
BLK	0.000	09:19
CHK	0.286	09:20
BLK	0.000	09:21
CHK	0.285	09:22

Test Status: *Success*

Calibration CRC: 01F807B1

HMS  
TLN

**Intox EC/IR-II: Accuracy Check**

*Department of Forensic Science*

Serial Number: 010597      Test Number: 784

Test Date: 12/17/2013      Test Time: 09:25 EST

Dry Gas Target: 0.096

Lot Number: AG219101-06      Exp Date: 07/09/2014

Tank Pressure: 801 psi      Barometric Pressure: 729 mmHg

System Check: *Passed*

Test	g/210L	Time
BLK	0.000	09:26
CHK	0.095	09:27
BLK	0.000	09:28
CHK	0.095	09:29
BLK	0.000	09:30
CHK	0.095	09:31

Test Status: *Success*

Calibration CRC: 01F807B1

thos  
TLW




COMMONWEALTH OF VIRGINIA  
DEPARTMENT OF FORENSIC SCIENCE

CERTIFICATE OF BLOOD ALCOHOL ANALYSIS  
AS DETERMINED BY A CHEMICAL TEST OF THE ACCUSED'S BREATH

NAME OF ACCUSED <b>INSTRUMENT, TEST,</b>	NAME OF COURT <b>DFS</b>
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BREATH ANALYSIS

SAMPLE EXAMINED AND TEST CONDUCTED BY <b>STANTON, HEATHER, M</b>		AGENCY <b>DFS Central Lab</b>
DFS LICENSE NUMBER <b>18910</b>	LICENSE EXPIRES <b>10/01/2014</b>	DATE TEST CONDUCTED <b>12/17/2013</b>
TEST EQUIPMENT NUMBER <b>010597</b>		

RESULTS: TIME SAMPLE TAKEN 09:38 EST

SAMPLE'S ALCOHOL CONTENT 0.00 GRAMS PER 210 LITERS OF BREATH

ATTEST:

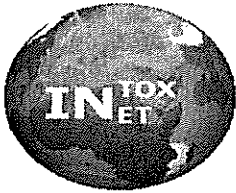
I CERTIFY THAT THE ABOVE IS AN ACCURATE RECORD OF THE TEST CONDUCTED; THAT THE TEST WAS CONDUCTED WITH THE TYPE OF EQUIPMENT AND IN ACCORDANCE WITH THE METHODS APPROVED BY THE DEPARTMENT OF FORENSIC SCIENCE; THAT THE TEST WAS CONDUCTED IN ACCORDANCE WITH THE DEPARTMENT'S SPECIFICATIONS; THAT PRIOR TO ADMINISTRATION OF THE TEST THE ACCUSED WAS ADVISED OF HIS RIGHT TO OBSERVE THE PROCESS AND SEE THE BLOOD ALCOHOL READING ON THE EQUIPMENT USED TO PERFORM THE BREATH TEST, AND THAT I POSSESS A VALID LICENSE TO CONDUCT SUCH TEST, GIVEN UNDER MY HAND THIS \_\_\_\_\_ DAY OF \_\_\_\_\_, 20 \_\_\_\_\_.

BREATH TEST OPERATOR
----------------------

☐ I HAVE RECEIVED A COPY OF THIS CERTIFICATE OF ANALYSIS \_\_\_\_\_  
SUBJECT'S SIGNATURE

☐ SUBJECT REFUSED TO SIGN FOR COPY OF CERTIFICATE OF ANALYSIS \_\_\_\_\_  
OPERATOR'S SIGNATURE





# IntoxNet MIS Report

Report Generated 19 Dec 2013 at 08:13

LMS  
TKN

## Test Results

Instrument Serial Number 010597

Test # 000785 Subject Test

Test Location 1 Department of  
Test Date 17 Dec 2013

Test Location 2 Forensic Science  
Test Time 09:32  
Remote/Local Local

Test Location 3  
System Check Passed

Operator's Last Name STANTON  
Agency DFS Central Lab

Operator's First Name HEATHER

Operator's Middle Initial M

Card Serial Number 118910

License Number 18910

Effective Date 10/01/2012

Expiration Date 10/01/2014

Subject's Last Name INSTRUMENT

Subject's First Name TEST

Subject's Middle Initial

Subject's Date of Birth 00/00/0000

Subject's Sex Male

Driver's License Number

Driver's License Expiration 00/00/0000

Driver's License State

Court Name DFS

End Date 17 Dec 2013 End Time 09:40

Result Time 09:38

Result Date 17 Dec 2013

Result 0.00

Data Type DIAG

Sample Value Pass

Sample Time 09:33

Data Type BLK

Sample Value 0.000

Sample Time 09:33

Data Type CHK

Sample Value 0.095

Sample Time 09:34

Data Type BLK

Sample Value 0.000

Sample Time 09:35

Data Type SUBJ

Sample Value 0.000

Sample Time 09:36

Data Type BLK

Sample Value 0.000

Sample Time 09:37

Data Type SUBJ

Sample Value 0.000

Sample Time 09:38

Data Type BLK

Sample Value 0.000

Sample Time 09:39

Standard Type Dry Gas Std

Standard Value 0.096

Standard Lot Number AG219101-06

Standard Expiration Date 07/09/2014

Tank Pressure 791

Barometric Pressure 729 mmHg

Blow Sample Number 1 Blow Duration 3.36 sec

Blow Volume 1745 cc

End-of-Blow Time 09:36

Blow Sample Number 2 Blow Duration 3.34 sec

Blow Volume 1766 cc

End-of-Blow Time 09:38

Tamper Evident Stamp 1d9c3e12

Test Status Code 0

Test Status Success



AMS  
TV

**Intox EC/IR-II: Software Version**

*Department of Forensic Science*

Serial Number: 010597

System Date: 12/17/2013

System Time: 10:07 EST

Software Version: VS00333-K

Software CRC: 56745BCA

Firmware Version: VS00171-CL

Firmware CRC: 7107756B

AMS  
TLN

**Intox EC/IR-II: Calibration**

*Department of Forensic Science*

Serial Number: 010597      Test Number: 786

Test Date: 12/17/2013      Test Time: 10:09 EST

Dry Gas Target: 0.096

Lot Number: 0651210013-06      Exp Date: 04/01/2014

Tank Pressure: 536 psi      Barometric Pressure: 728 mmHg

System Check: *Passed*

Test	g/210L	Time
BLK	0.000	10:10
CAL	0.096	10:10

Test Status: *Success*

Calibration CRC: 5A19424C

*HMS*  
*TLW*

**Intox EC/IR-II: Certification**

*Department of Forensic Science*

Serial Number: 010597      Test Number: 787  
Test Date: 12/17/2013      Test Time: 10:13 EST

Technician Initials: *HMS*

Dry Gas Target: 0.240

Lot Number: 2961225012-08      Exp Date: 11/01/2014

Tank Pressure: 144 psi      Barometric Pressure: 728 mmHg

System Check: *Passed*

Test	g/210L	Time
DIAG	Pass	10:14
BLK	0.000	10:15
CHK	0.238	10:15
BLK	0.000	10:17
CHK	0.238	10:18
BLK	0.000	10:19
CHK	0.238	10:20
BLK	0.000	10:22

**Success**

Standard Value (at sea level): 0.250 g/210L

Certification Status: Continued

AMS  
TLN

**Intox EC/IR-II: Certification**

*Department of Forensic Science*

Serial Number: 010597      Test Number: 788  
Test Date: 12/17/2013      Test Time: 10:23 EST

Technician Initials: HMS

Dry Gas Target: 0.144

Lot Number: 2951215012-02      Exp Date: 11/01/2014

Tank Pressure: 473 psi      Barometric Pressure: 728 mmHg

System Check: Passed

Test	g/210L	Time
DIAG	Pass	10:23
BLK	0.000	10:24
CHK	0.143	10:25
BLK	0.000	10:26
CHK	0.144	10:27
BLK	0.000	10:29
CHK	0.143	10:29
BLK	0.000	10:31

**Success**

Standard Value (at sea level): 0.150 g/210L

Certification Status: Continued

HMS  
TLN

**Intox EC/IR-II: Certification**

*Department of Forensic Science*

Serial Number: 010597      Test Number: 789  
Test Date: 12/17/2013      Test Time: 10:33 EST

Technician Initials: HMS

Dry Gas Target: 0.077

Lot Number: 0771308012-04      Exp Date: 05/01/2015

Tank Pressure: 610 psi      Barometric Pressure: 728 mmHg

System Check: Passed

Test	g/210L	Time
DIAG	Pass	10:33
BLK	0.000	10:34
CHK	0.076	10:35
BLK	0.000	10:36
CHK	0.077	10:37
BLK	0.000	10:38
CHK	0.077	10:39
BLK	0.000	10:40

**Success**

Standard Value (at sea level): 0.080 g/210L

Certification Status: Continued

HMS  
TLN

**Intox EC/IR-II: Certification**

*Department of Forensic Science*

Serial Number: 010597      Test Number: 790  
Test Date: 12/17/2013      Test Time: 10:42 EST

Technician Initials: HMS

Dry Gas Target: 0.019

Lot Number: 0771302011-04      Exp Date: 05/01/2015

Tank Pressure: 723 psi      Barometric Pressure: 728 mmHg

System Check: Passed

Test	g/210L	Time
DIAG	Pass	10:42
BLK	0.000	10:43
CHK	0.019	10:44
BLK	0.000	10:45
CHK	0.019	10:46
BLK	0.000	10:47
CHK	0.019	10:48
BLK	0.000	10:49

**Success**

Standard Value (at sea level): 0.020 g/210L

Certification Status: Success

Ans  
TUN

**Intox EC/IR-II: Accuracy Check**

*Department of Forensic Science*

Serial Number: 010597      Test Number: 791

Test Date: 12/17/2013      Test Time: 10:51 EST

Dry Gas Target: 0.287

Lot Number: AG322702-08      Exp Date: 08/15/2015

Tank Pressure: 394 psi      Barometric Pressure: 727 mmHg

System Check: *Passed*

Test	g/210L	Time
BLK	0.000	10:52
CHK	0.290	10:53
BLK	0.000	10:54
CHK	0.290	10:55
BLK	0.000	10:57
CHK	0.290	10:58

Test Status: *Success*

Calibration CRC: 5A19424C



WMS  
TCN

**Intox EC/IR-II: Accuracy Check**

*Department of Forensic Science*

Serial Number: 010597      Test Number: 792

Test Date: 12/17/2013      Test Time: 11:00 EST

Dry Gas Target: 0.096

Lot Number: AG320502-14      Exp Date: 07/24/2015

Tank Pressure: 1115 psi      Barometric Pressure: 727 mmHg

System Check: *Passed*

Test	g/210L	Time
BLK	0.000	11:01
CHK	0.097	11:02
BLK	0.000	11:03
CHK	0.096	11:04
BLK	0.000	11:05
CHK	0.096	11:06

Test Status: *Success*

Calibration CRC: 5A19424C

4/19/13  
TEN




COMMONWEALTH OF VIRGINIA  
DEPARTMENT OF FORENSIC SCIENCE

CERTIFICATE OF BLOOD ALCOHOL ANALYSIS  
AS DETERMINED BY A CHEMICAL TEST OF THE ACCUSED'S BREATH

NAME OF ACCUSED <b>INSTRUMENT, TEST,</b>	NAME OF COURT <b>DFS</b>
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BREATH ANALYSIS

SAMPLE EXAMINED AND TEST CONDUCTED BY <b>STANTON, HEATHER, M</b>		AGENCY <b>DFS Central Lab</b>
DFS LICENSE NUMBER <b>18910</b>	LICENSE EXPIRES <b>10/01/2014</b>	DATE TEST CONDUCTED <b>12/17/2013</b>
TEST EQUIPMENT NUMBER <b>010597</b>		

RESULTS: TIME SAMPLE TAKEN **11:14 EST**

SAMPLE'S ALCOHOL CONTENT **0.00** GRAMS PER 210 LITERS OF BREATH

ATTEST:

I CERTIFY THAT THE ABOVE IS AN ACCURATE RECORD OF THE TEST CONDUCTED; THAT THE TEST WAS CONDUCTED WITH THE TYPE OF EQUIPMENT AND IN ACCORDANCE WITH THE METHODS APPROVED BY THE DEPARTMENT OF FORENSIC SCIENCE; THAT THE TEST WAS CONDUCTED IN ACCORDANCE WITH THE DEPARTMENT'S SPECIFICATIONS; THAT PRIOR TO ADMINISTRATION OF THE TEST THE ACCUSED WAS ADVISED OF HIS RIGHT TO OBSERVE THE PROCESS AND SEE THE BLOOD ALCOHOL READING ON THE EQUIPMENT USED TO PERFORM THE BREATH TEST, AND THAT I POSSESS A VALID LICENSE TO CONDUCT SUCH TEST, GIVEN UNDER MY HAND THIS \_\_\_\_\_ DAY OF \_\_\_\_\_, 20\_\_\_\_\_.

BREATH TEST OPERATOR
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☐ I HAVE RECEIVED A COPY OF THIS CERTIFICATE OF ANALYSIS \_\_\_\_\_  
SUBJECT'S SIGNATURE

☐ SUBJECT REFUSED TO SIGN FOR COPY OF CERTIFICATE OF ANALYSIS \_\_\_\_\_  
OPERATOR'S SIGNATURE



# IntoxNet MIS Report

Report Generated 19 Dec 2013 at 08:13

*Handwritten initials: LMS, YLW*

## Test Results

Instrument Serial Number 010597

Test # 000793 Subject Test

Test Location 1 Department of  
Test Date 17 Dec 2013

Test Location 2 Forensic Science  
Test Time 11:07  
Remote/Local Local

Test Location 3  
System Check Passed

Operator's Last Name STANTON  
Agency DFS Central Lab  
Card Serial Number 118910  
Subject's Last Name INSTRUMENT  
Subject's Middle Initial  
Driver's License Number

Operator's First Name HEATHER

Operator's Middle Initial M

License Number 18910

Effective Date 10/01/2012

Expiration Date 10/01/2014

Subject's First Name TEST

Subject's Date of Birth 00/00/0000

Subject's Sex Male

Driver's License Expiration 00/00/0000

Court Name DFS

End Date 17 Dec 2013 End Time 11:15

Result Time 11:14

Result Date 17 Dec 2013 Result 0.00

Data Type DIAG

Sample Value Pass

Sample Time 11:08

Data Type BLK

Sample Value 0.000

Sample Time 11:08

Data Type CHK

Sample Value 0.096

Sample Time 11:09

Data Type BLK

Sample Value 0.000

Sample Time 11:11

Data Type SUBJ

Sample Value 0.000

Sample Time 11:11

Data Type BLK

Sample Value 0.000

Sample Time 11:12

Data Type SUBJ

Sample Value 0.000

Sample Time 11:14

Data Type BLK

Sample Value 0.000

Sample Time 11:15

Standard Type Dry Gas Std

Standard Value 0.096

Standard Lot Number AG320502-14

Standard Expiration Date 07/24/2015

Tank Pressure 1115

Barometric Pressure 727 mmHg

Blow Sample Number 1 Blow Duration 3.44 sec

Blow Volume 1739 cc End-of-Blow Time 11:11

Blow Sample Number 2 Blow Duration 3.52 sec

Blow Volume 1754 cc End-of-Blow Time 11:14

Tamper Evident Stamp e2181e9c

Test Status Code 0

Test Status Success